



AVOX Systems

AVOX Systems Inc. (Formerly Scott Aviation, Inc.)
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SERVICE INFORMATION LETTER

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OXYGEN - ATA CHAPTER 35

VENDOR CODE: 53655

P/N 9700-G2A AND 9700-H2A SUB-SERIES - PORTABLE CYLINDER ASSEMBLY

SCOTT AVIATION RECOMMENDS FOR AN OVERHAUL:

- OVERHAUL PERIOD,
- MINIMUM NECESSARY PARTS TO REPLACE,
- KITS OF MINIMUM NECESSARY PARTS TO REPLACE, AND
- NECESSARY FUNCTIONAL TESTS AFTER AN OVERHAUL

1. BACKGROUND

This SIL is issued by Scott Aviation because of customer request. This SIL recommends the overhaul period for the 9700-G2A Sub-Series and 9700-H2A Sub-Series Portable Cylinder Assembly (PCA). This SIL identifies the minimum parts to replace during an overhaul. This SIL contains facts about the necessary parts to be replaced in an overhaul and available kits. This SIL gives information about functional testing required after an overhaul. This SIL does not change any procedures in the CMM.

Refer to SIL-35-23 for the 9700 Series PCA (not the 9700-G2A Sub-Series and 9700-H2A Sub-Series PCA).

You are given authority to make copies of this SIL and give them to other persons. If you make a copy of this SIL, you must make a copy of all of the SIL.

2. EFFECTIVITY

A. Aircraft

Any aircraft that uses the Scott 9700-G2A Sub-Series or 9700-H2A Sub-Series Portable Cylinder Assembly (PCA).

B. Portable Cylinder Assembly (PCA)

Any Scott 9700-G2A Sub-Series or 9700-H2A Sub-Series PCA (or the regulator assembly only). This includes P/N 9700-G2A-BF10A PCA.



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2. EFFECTIVITY, continued

C. Component Maintenance Manual (CMM)

Scott CMM 35-32-02 (current revision 0 (original issue) dated Apr 01/96) is necessary to do an overhaul. After the CMM is revised to incorporate this SIL, this SIL will not be applicable to the CMM. See Section 5 of this SIL on how to contact Scott Aviation for revision status of technical publications.

3. SCOTT AVIATION RECOMMENDS FOR AN OVERHAUL:

A. Overhaul Period

Do an overhaul every six years (i.e., when every other hydrostatic test of the cylinder is done) or more frequently for the 9700-G2A Sub-Series or 9700-H2A Sub-Series PCA.

B. Minimum Necessary Parts to Replace for an Overhaul

Replace the parts in the overhaul Kit P/N 28022-00 and the safety plug (P/N 26567-00) for an overhaul of the 9700-G2A Sub-Series or 9700-H2A Sub-Series PCA. Refer to Table 1. You must replace other parts if they are defective.

C. Functional Tests that are Necessary After an Overhaul

You must do all the functional tests in the CMM after you do an overhaul on the 9700-G2A Sub-Series or 9700-H2A Sub-Series PCA. You must follow all applicable procedures in the CMM when you do an overhaul. This SIL does not change the test procedures in the CMM.



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TABLE 1
PARTS CONTAINED IN
OVERHAUL KIT P/N 28022-00 FOR THE
9700-G2A SUB-SERIES AND 9700-H2A SUB-SERIES PCA
(Refer to Notes 1 and 2)

KIT ITEM NUMBER	PART NUMBER	NOMENCLATURE	QUANTITY PER KIT
1	5032-01	DIAPHRAGM	1
2	5517-00	SEAT, PTFE	1
3	5522-00	FILTER	1
4	6370-00	WASHER	1
5	55620-01	PACKING, PREFORMED	1
6	55620-02	PACKING, PREFORMED	1
7	5056-00	PLATE, IDENTIFICATION	1
8	22427-01	PLATE, IDENTIFICATION	1
9	803129-01	SEAT ASSY	1
10	802883-01	HEAD ASSY	1
11	59553-00 (Refer to Note 3)	SCREW, PAN HD (CRES W/ PLASTIC INSERT) (#2-64 THD x 0.188 in. LNG)	2

Note 1: The overhaul kit contains the parts to replace in an overhaul of one 9700-G2A Sub-Series or 9700-H2A Sub-Series PCA except the safety plug (see Note 2). See Section 5 of this SIL for instructions to buy an overhaul kit.

Note 2: The safety plug (P/N 26567-00) must also be replaced in an overhaul. The safety plug is not in the overhaul kit. See Section 5 of this SIL for instructions to buy a safety plug.

Note 3: Screw 59553-00 replaces screw MS35207-202 (SPN 33326-202).



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4. ACCOMPLISHMENT INSTRUCTIONS

An overhaul must be done by personnel knowledgeable in the repair of high-pressure aviation oxygen equipment. An overhaul must be done in a facility that is approved for the repair of high-pressure aviation oxygen equipment. Contact Scott Aviation for locations of repair facilities authorized to repair Scott oxygen equipment. See Section 5 of this SIL for contact instructions.

You must use all the necessary special tools and test equipment recommended in the CMM. Equivalent special tools and test equipment may be substituted. All tools and test equipment used to repair high-pressure aviation oxygen equipment must be calibrated. You must do the calibrations how and when your applicable national standards organization recommends. You must use tools that are clean for oxygen use.

- A. Use the CMM and this SIL to do an overhaul of the PCA.
- B. Write in your aircraft logs that an overhaul was done on the PCA.

5. TO CONTACT SCOTT AVIATION:

- A. To get an overhaul of a 9700-G2A Sub-Series or 9700-H2A Sub-Series PCA, or to have it repaired, contact any Scott Authorized Repair and Overhaul Facility. Refer to the Scott web site (www.scottaviation.com) for a list of authorized facilities.
- B. To buy kits or parts, contact any Scott Authorized Distributor. Refer to the Scott web site (www.scottaviation.com) for a list of distributors.
- C. To get technical aid, contact the Scott Technical Support Department.
 - Telephone: 1-716-683-5100
 - Fax: 1-716-681-1089
 - E-Mail: sa-customerservice@tycoint.com
- D. To get a copy of the CMM or the revision status of a publication, contact the Scott Technical Publications Department. Give the aircraft model when you send an order for a CMM copy.
 - Telephone: 1-716-683-5100
 - Fax: 1-716-681-1089
 - E-Mail: techpubs@tycoint.com
 - Publications Index: log onto www.scottaviation.com; click on Aviation/Government Products, click on Aviation Product Information, click on Technical Product Information

Note: The steps to get the Publications Index from the Scott Aviation web site will change in the future because of changes to the web site.

New Contact Information (September 1, 2004):
AVOX Systems Inc. (Formerly Scott Aviation, Inc.)
New Technical Support e-mail: avoxcs@avox.zodiac.com
New Technical Publications e-mail: avoxtechpub@avox.zodiac.com
New website address: www.avoxsys.com